

Magnetic resonance of ^3He nuclei in porous media

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Abstract

© 2015 AIP Publishing LLC. A summary of spin kinetics data of ^3He in porous media, at temperatures above the Fermi degeneracy of this quantum liquid. The presented results were obtained at Kazan Federal University during the past ten years, and are the foundation for developing the method of helium porosimetry. We propose methodological guidelines for investigating samples with unknown pore sizes and surface properties.

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